

IN THE CLAIMS

Please cancel claims 4 and 13 without prejudice, and amend claims 1-2 and 10 as follows:

1 1. (Currently Amended) A body-worn personal communications
2 apparatus, comprising:

3 a physically-shortened electric antenna that is physically
4 smaller than its electrical length;

5 a transceiver connected to said physically-shortened electric
6 antenna;

7 a microphone connected to said transceiver; and

8 a casing,

9 wherein said transceiver is disposed within said casing,

10 wherein said physically-shortened electric antenna is mounted

11 ~~on transversely to a plane through said casing to predominately~~
12 ~~receive an electric field of an electromagnetic wave in the~~
13 ~~vicinity of the casing, and~~

14 ~~wherein said microphone is mounted on said physically-~~
15 ~~shortened antenna.~~

1 2. (Currently Amended) ~~The apparatus of claim 1,~~ A body-worn
2 personal communications apparatus, comprising:
3 a casing; and
4 a physically-shortened electric antenna mounted on said
5 casing, said physically-shortened electric antenna being physically
6 smaller than its electrical length;
7 wherein said physically-shortened electric antenna is a
8 helical antenna.

1 3. (Previously Presented) The apparatus of claim 1, wherein
2 said physically-shortened electric antenna is a meander-line
3 antenna.

Claim 4 (Canceled)

1 5. (Previously Presented) The apparatus of claim 1, wherein
2 said microphone is located at an end of said physically-shortened
3 electric antenna furthest from said casing.

1 6. (Previously Presented) The apparatus of claim 5, wherein

2 said physically-shortened electric antenna is formed from a coaxial
3 cable that provides electrical connections between said microphone
4 and said transceiver.

1 7. (Previously Presented) The apparatus of claim 5,
2 wherein said physically-shortened electric antenna is formed
3 from a hollow wire,
4 wherein a first electrical connection between said microphone
5 and said transceiver is provided by said hollow wire, and
6 wherein a second electrical connection between said microphone
7 and said transceiver is provided by a conductor enclosed by said
8 hollow wire.

1 8. (Previously Presented) The apparatus of claim 6, wherein
2 said microphone provides a low impedance at radio frequencies to
3 thereby enable said coaxial cable forming said physically-shortened
4 electric antenna to act as an inductive stub.

1 9. (Previously Presented) The apparatus of claim 5, wherein
2 said microphone provides a top loading to said physically-shortened
3 electric antenna.

1 10. (Currently Amended) A body-worn personal communications
2 apparatus, comprising:

3 a casing; and
4 a physically-shortened electric antenna mounted on
5 transversely to a plane through said casing to predominately
6 receive an electric field of an electromagnetic wave in the
7 vicinity of the casing, wherein the physically-shortened electric
8 antenna is physically smaller than its electrical length; and
9 ~~a microphone mounted on said physically-shortened electric~~
10 ~~antenna.~~

1 11. (Previously Presented) The apparatus of claim 10, wherein
2 said physically-shortened electric antenna is a helical antenna.

1 12. (Previously Presented) The apparatus of claim 10, wherein
2 said physically-shortened electric antenna is a meander-line
3 antenna.

Claim 13 (Canceled)

1 14. (Previously Presented) The apparatus of claim 10, wherein
2 said microphone is located at an end of said physically-shortened
3 electric antenna furthest from said casing.

1 15. (Previously Presented) The apparatus of claim 10, further
2 comprising:

3 a transceiver,

4 wherein said physically-shortened electric antenna is formed
5 from a coaxial cable that provides electrical connections between
6 said microphone and said transceiver.

1 16. (Previously Presented) The apparatus of claim 15, wherein
2 said microphone provides a low impedance at radio frequencies to
3 thereby enable said coaxial cable forming said physically-shortened
4 electric antenna to act as an inductive stub.

1 17. (Previously Presented) The apparatus of claim 10, further
2 comprising:

3 a transceiver,

4 wherein said physically-shortened electric antenna is formed

5 from a hollow wire,
6 wherein a first electrical connection between said microphone
7 and said transceiver is provided by said hollow wire, and
8 wherein a second electrical connection between said microphone
9 and said transceiver is provided by a conductor enclosed by said
10 hollow wire.

1 18.(Previously Presented) The apparatus of claim 10, wherein
2 said microphone provides a top loading to said physically-shortened
3 electric antenna.